LISTING OF CLAIMS:

The following listing of claims replaces all previous versions and listings of claims in the present application.

1. (Currently amended) A gas detection device comprising:

a light source for emitting light beams;

a light sensor element for sensing the light beams emitted from the light source;

a shield plate for reducing light beams that directly reach the light sensor element;

a package for housing all of the light source ~~and~~, the light sensor element, and the shield plate; and

a reflector plate arranged for reflecting light beams emitted from the light source to the light sensor element, wherein

~~the package houses all of the light source, the light sensor element, and the shield plate, and~~

the light sensor element detects a degree of light absorption by gas provided in a space between the reflector plate, the light source and the light sensor element, and

the shield plate is arranged between the light source and the light sensor element such that an inner space of the package is partially sectioned, and the light source and the light sensor element are located on opposite sides of the shield plate.

2. (Original) The gas detection device according to claim 1, wherein: the light source is an infrared emitting device; and

the light sensor element is an infrared sensor element.

3. (Original) The gas detection device according to claim 1, wherein the package has a light source window for passing light beams emitted from the light source to the reflector plate and a light sensor window for passing light reflected off the reflector plate to the light sensor element.

4. (Original) The gas detection device according to claim 3, wherein at least one of the light source and the light sensor windows has a band-pass filter for passing only light beams of a predetermined wavelength.

5. (Original) The gas detection device according to claim 1, wherein the light source and the light sensor element are mounted on a single circuit chip.

6. (Original) The gas detection device according to claim 1, wherein the light source and the light sensor element are mounted on separate circuit chips.

7. (New) The gas detection device according to claim 1, wherein the shield plate extends from a top wall of the package partially toward a bottom of the package.

8. (New) The gas detection device according to claim 5, wherein:

the single circuit chip is fixed to a bottom of the package; and

the shield plate extends from a top wall of the package toward the bottom with a space between an edge thereof and the single circuit chip.